G.R.S. IX—5]

Previous references.

Sang 57-20864-7 (Sang

1920.

File No. 54-20

Serial Nos. 1, 2, 3, 10, 11
12, 13, 14, 15

Later references.

GENERAL AND REVENUE SECRETARIAT.

P-36
2

Serial Nos.

Part B for March 23

SUBJECT

Campaign against hook worm

Recorded with no orders.

HS.
7.4.23.

Printed on the Multigraph

Office of the Senior Surgeon, Mysore Govt.,

No. WS. C. 1335. Dated, Bangalore, 9th June 1920.
Encls. Nil

DIARY No. 2263 GEN. & REV. SECRETARIAT VIII E. AUDIT. 10 JUN 1920 1411

From

Rajakarya Pravina

Rao Bahadur T. V. Arumugum Mudaliar, Esq., M. B., C. M.,

Senior Surgeon with the Government of

H. H. the Maharaja of Mysore, Bangalore.

SECTION ... 2 JUN 1920

To

The Efficiency Audit Officer

General and Revenue Secretariat, Bangalore.

Sir

In returning with thanks, the cutting from the Times of India dated 3rd June 1920, sent with your letter No.47, date 7th June 1920, I have the honor to suggest that the Sanitary Commissioner may be requested to ascertain if hook-worm is prevalent in any specific area in the State or among coolies imported from outside the State for labor in Coffee Estates and Factories and other industrial concerns in the State.

I have the honor to be,

Sir,

Your most obedient servant,

T V Arumugum

Senior Surgeon.

Letter & Cutting. Sent to the Sanitary Commr
No 2483. dated 11th June 1920

1) This letter with, if approved, be passed on to the Medical section for info & with a copy of the Cutting from the Peoples mail dated 4-6-1920

10-6-20

10/6

Submitted for perusal

10.6.20

3) 12/6/20

3rd member)

12/6/20. Cutting already sent to Sanitary Commr

2635

10/6.

5) Draft please
DCS
19/6/20.

4) Draft/put up
19.6.20 BB 19/6.

5) Issue
DCS
21/6/20.

Issued 28/8 25/6. 26/6

JUL 1920

R.S. III—3]

Nb 35

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

R.89.
11.8.20

8) Thad. has asked for Sanitary Circ. pertaining to rodents.
& Scheme for his area, by which
& trait mural & book worm disease
should be tackled. We take when
it will be ready

10/8

9) Any Dy medl Staff?
Please write D.O

13/8

10) Draft please

13/8/20

11) draft put up for appl.

17/8/20 17.8.20.

18/8/20

Issued DO 4185 18/8

From the offg Sany. Comr, to C.C. 4605-5 of 23-8-20 — States that information regarding the places definitely affected with hook-worm disease is being collected from Dts, that a special subordinate will, under his guidance & supervision, make house-to-house inspections in affected places, & that notes & that the Dt Health offrs have been instructed

PRUTECTION BRANCH.
23 AUG 1920
23/8/20

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

G.R.S. III—3]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.

to lecture to the people in the affected areas on the causation of the disease & the means of preventing it.

Submitted for perusal together with Sanc. 1—19 re transfer of services of Dr B Partha-sarathi Iyengar of the Sanitary dept. to the Medical dept. (which is noted file)

28/8 31.8.20 3rd member 1/9/20

In Cl. 25 of Sanc 1—19, the Ag. Senior Surgeon has reported that the Asst. Surgeon Dr B. Parthasarathi Iyengar has been relieved of his duties in the Med.l Dept. on the forenoon of the 30th Oct. 1920 & directed to report himself to the Sanitary Commr. for duty at once.

3179

2889
27.10.20

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

10909

G.R.S. III—3]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

82.114
22.11.20.

Work-worn disease

The Sanitary Officer may
be asked what steps he has taken / would
like to take for the
prevention of the Work-worn
disease & the extent of
its prevalence in the
State.

20/11

Asst Secy (Medl Section)
Please advise S/C.

Draft forwarded. Kind attention is
invited to Sanitary Commr's letter
23/11 No: G.C 400-5 of 23.8.20 wherein he
has reported the action taken and to be taken
re: Work-worn disease. Mr. B. Parthasarathy
has since been relieved of his duties in the
Medl Deptt and directed to report himself
to the Sanitary Commr.

23.11.20.

Issue
Dcd 10344/26/11 23/11/20.

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

CHIEF'S OFFICE
III
PROTECTION BRANCH.
27 NOV 1920

G.R.S. III—3]

Routine Notes.

[To be used only for notes, requisitions, etc., not intended for permanent record.]

The subject of campaign against hookworm had been placed before the Sub-Central Committee meeting held on 11.9.20 & it was resolved that in Tanjore Coast should arrange the Health Officers examining anaemic people carefully to find out if they are suffering from hookworm disease & cattle might be requested to send b.a. sheets for investigation through the Dy Collr of Nattam. Draft put up for appl & other orders.

No 28184 dt 25.6.20 & no 10344 dt 26.11.20

7/12/20

Subd: no action on the above note is necessary as the reply has been received from the Sanitary Comr and is linked up separately. If appd these papers will be deposited.

8.12.20

Linked to the other file and the papers disposed. When final orders are passed in the linked file

Dy 12391.

Linked file dy 5.12.20

Yes

14/12/20

N.B.—Should routine notes be written on small slips, the notes must be copied, or slips pasted on this form.

P.T.O.

R. S. 11] 1920-21

GENERAL AND REVENUE SECRETARIAT.

(Sanitary

NOTES.

File No. 54-20

FILE HEADING.

Campaign against Hookworm Disease

From

The offg. Sanitary Commissioner in Mysore.

No. Q.C.400-28 Dated 7.12.20 Received 8.12.20

Diary No. 12391	Enclos. 3	Spare Copies. —	Serial No. 1

BRIEF ABSTRACT OF LETTER.

Submits a report on the investigation into the prevalence of the Hookworm disease in the Krishnarajapet and a scheme of anti Hookworm campaign in the Malvad taluks & requests that a draft leaflet in Kannada on the subject may be approved & transmitted to the Press for printing 5000 copies for distribution in the Krishnarajapet & Malvad Tks.

~~NOTES AND ORDERS.~~

Submitted for perusal. The points for orders are

H.S.O. 10.12.20

(1) the scheme of anti-hookworm campaign and

(2) Printing of the draft leaflet in Kannada.

In connection with the scheme for anti-hookworm Campaign the first item for which is provision of facilities for treatment

NOTES—First Sheet.

G. R. S. III-2]

(2

General and Revenue Secretariat.

Sanry File No. 54 of 1920

Serial No.

of cases of the disease in the ~~dispy~~ dispensaries at Krishnarajpet and in the mahal. The Senior Surgeon will have to be addressed in the matter, with necessary extract from the Sanry Comm's letter & the memo.

3) In Krishnarajpet a Choultry opposite the dispy building is reported to be available for housing the patients & keeping them under observation. It is not known to whom the Choultry belongs & whether it can be secured for the purpose & if so on what terms. The Dy Comm^r, myore District may perhaps be consulted for particulars.

4) Submitted for orders on the above points and also in regard to issue of instns to the Supdt, Govt Printing to print & supply 5000 copies of the Kannada circular. Vide para 9 of the Sanry Comm's letter. (The Kannada name for hook-worm disease is not given in the circular & in the absence of a name, the circular cannot be sufficiently intelligible to the lay public & does not give an idea as to what the circular relates to)

7 It appears to be sufficiently intelligible otherwise. DCS 14/12/20.

13.12.20

3rd Member) — DCS 14/12/20.

3609 14/12/20

8 The Scheme of the Sanitary Commr so far as it relates to the Malnad parts may be discussed at the next meeting of the M & C committee

* Note. DCS 22/12/20.

NOTE—Contn. sheet.

General and Revenue Secretariat.

Sanj File No. 57 of 1920.

Serial No.

7) As regards the Malaria prevalence this disease has been depicting known, the Surgeon may be asked to submit proposals for the treatment of the cases.

8) The Kannada leaflet on this disease may be printed & circulated.

Meh
21/12

9) Drafts please
DCS
22/12/20

10) Two dfts submitted for app.
Asst Secy
22.12.20 31.12.20
31.12.20

Issue
DCS
31/12/21.

To The Supdt Govt Printing
The Sanj Commr
The Senior Surgeon

D.O.G. 12709-11 D/ 5-1-20.
Authorises the Supdt Govt Printing to have the leaflets printed and 5000 copies thereof supplied to the Sanj Comm.

11) Submitted. Anti hookworm campaign in Malnad was a subject for the next meeting of Central committee which has been cancelled for

NOTE—Contn. sheet.

General and Revenue Secretariat.

Pay File No. 57 of 1920

Serial No.

for the present

12) Action has separately been taken in the matter of eradicating the disease in the Krishna rajapete (vide f.o. no 4 4620-21/pay 57-20-7 4 21.2.1921).

A

13) The Sanitary commissioner has sent a scheme for conducting the enquiry in the malnad districts & for adopting the preventive measures. It involves a contingent expenditure of Rs 20 per mensem for each district. If approved the opinion of the Dt. District Committees will be called for as to whether they are agreeable to (bear the cost of the scheme being tried) and

Submitted for orders

28.3.21 / 2.6.21 3rd Member) — 2/4/21.

5629 / 2-6-21

14) Papers received for kind. meeting of Hon. M. P. Com. meeting.

14/4/21

B

15) Md Sanitary Comm's scheme as well as the memo received from the District Health Officer, Shimoga, were read at the meeting of the Dt. Central committee meeting held on 14.5.21 & was resolved that the scheme be approved, But no provision has been made in the current year's budget for meeting the cost for ~~the~~ Anti Hookworm Campaign. Submitted

D

C

NOTE—Contn. sheet.

R. S. III-2]

p.391

(5

General and Revenue Secretariat.

Sanitary File No. 54 of 1920.

Serial No.

for orders
16.7.24

637
27.7.24

Second member -

16) Amount may be made from rec 26.7
of the Govt of Rs 25,000 allotted for
Sanitary improvements - Govt do not know what the deficiencies
for the M. S. works will be - May be
incorporated in Govt order.

Sd
30/7

17) Subject to the provision of Rs 25,000 made for ~~public~~ Sanitary improvements, a sum of Rs 19,330-5-0 has been ~~ordered~~ to be utilised for completing incomplete M. S. works and a sum of Rs 5669-11-0 is ascertained to be available for ~~expenditure~~.

6/1/22

~~3rd Member~~)

9/1/22

18) , 2nd member)

12.1.22

On what? The position is not clear
from the papers from which Govt
Order. Where is the reply?

Sd
16/1

NOTE—Contn. sheet.

G. R. S. III-2]

1288 (6

General and Revenue Secretariat. | Sany File No. 54 of 1920.

Serial No.

17) Subd. With a view to investigate the prevalence of Hookworm disease in the Malnad the Sanitary Commissioner sent in an outline of the procedure to be adopted and suggested that a sum of Rs 20 each per mensem be placed at the disposal of the Health Officers of the Malnad Districts. If it is deemed necessary to sanction the scheme, the total cost viz. Rs 720 (20×3×12), can be met out of the provision referred to in para 15 above.

This proposal met with the approval of the Malnad Improvement Central Committee on 14/5/21. (Vide Para 15 supra)

In reply to U/Sub/10.1.22 the Senior Surgeon sent up a scheme for the treatment of Hookworm cases in the Krishnarajapet Taluk and the same was sanctioned in his fo. no 4 164 20-21 Sany 54-20-7 of 22.2.1921.

A

HSA

17.1.22

TSR 20/1

20) As it is more than a year since the scheme was sent up by the Sanitary Commissioner, it would perhaps be desirable to consult him again before sanctioning the same.

A

3856-101. 23.1.22.

2nd Member)

A. 21) Approved. DCS 21/1/22

Rec 26.1.22

Rec 28/1

22) Draft please DCS 28/1/22

HSA

NOTE—Contn. sheet.

G. R. S. III-2]

229

General and Revenue Secretariat. | Farm File No. 54 of 1922

Serial No.

28) Draft subd
Hd
28/11/22

29) Issue
Dcg
30/11/22

10 To the Sanitary Commissioners
no L 4308 dy 3.2.22

Enquires whether it is necessary to sanction the scheme now as it is more than a year since it has been sent up & if so whether he would propose any changes in it.

REVENUE & JUDICIAL SECRETARIAT.
6 FEB 1922
LOCAL SELF GOVT. BRANCH.

Dcg

11 From the Sanitary Commissioner in reply
no Lc 400-80 dy 6.5.22

States that the necessity for the sanctioning the scheme for the anti-Hookworm Campaign is ~~greater~~ greater owing to the increase in the no of persons affected during the year that has elapsed & suggests certain changes in the rules,

25) Submitted for orders with reference to paras 19 to 21 above. The changes proposed are indicated in pencil on the draft rules. It is also a point for orders as to whether the cost of the working of the scheme viz Rs 720 per annum for each Dr (detailed in para 19 above) may not be met out of the District Funds.

Hd
10.5.22

NOTE—Contn. sheet.

G. R. S. III-2.

General and Revenue Secretariat.

File No. 52 of 1920

(S-5) 2559

Serial No.

(6) The District Boards will have to be consulted if the scheme is to be sanctioned and the cost debited to their funds.

(2nd Member) Dcs 11/5/22

5419 12/5

(1) Please ascertain the cost of the microscope & the appliances to be supplied. There is no special grant made for this purpose in the M P C budget, but the contingent will have to be met from the funds which may be provided by Govt.

Dcs 22/5

(2) Draft please

Dcs 25/5/22

(3) Submit a draft

Dcs 26/5/22

To — The Sanitary Commr.

No 7144 Dt 31-5-22.

Calls for some information.

From the Sanitary Commissioner

No C 4400-59 Dt 10-6-22

States that a microscope will have to be supplied

NOTE—Contn. sheet.

Hookworm

(9

G. R. S. III-2]

General and Revenue Secretariat. | Agn File No. 84 of 1916.

Serial No.

at about £23

supplied to the Travancore District Land
doubts whether the Chief Sanitary Officer
who take the place of District Health
Officers in Districts can be entrusted
with the Anti-Hookworm campaign as
detailed in his memorandum.

7

3rd) Submit for orders with reference to para 2 above

V+S 27/11/22 Dy

3rd) Whether, for the reasons now urged by the present Sanitary Commr, the scheme re Anti-Hookworm campaign may not be given up is a point for orders.

3429 7.11.22

2nd Member) DCS 29/11/22

3rd) Why not the local medical officers carry on the campaign.

Dy 10/12/ 4/12/22

3rd) Draft enquiring Pt Joseph

CS-Ind 11/12/22

3rd) Issue DCS 14/12. 11/12/22

14 To the Sany Comr No 43238 Requests to State why the work should be entrusted to the Local Medical Officers

FE—Contn. sheet.

3596 (10

G. R. S. III-2]

General and Revenue Secretariat.

Sán File No. 57 of 1920

Serial No.	
15	From the Sanitary Commissioner in Sup no G.C. 4000-618 17/18 dtd Jan 23 Stating that as anti-hookworm investigations require long periods to the exclusion devoted to them, the local medical officers cannot be expected to have the necessary time without the detriment to their legitimate duty. 3b) Submd for orders with reference to paras 32 & 33 above. Hd Cl 20/1/23 (Second Member) - Magh despatched for his information. Cl 3.3.23 5740 5.3.23 Jatin 10.0 S/- 15/3 20.3.23

NOTE—Contn. sheet.

G. R. S. III—3]

ROUTINE NOTES

[To be used only for notes, requisitions, etc., not intended for permanent record]

Subd. These are miscellaneous papers relating to the Ambi Hook work campaign in the mainland & had been linked to the file relating to that subject. As the matter has been ordered to be dropped, they will, if approved, be deposited

Papers.

188 D
20/8/43

They may be placed in the main file & recorded with it.

CBH
24.3.45

D

N. B.—Should routine notes be written on small slips, the notes must de copied, or slips pasted on this form.

WD 1889—GPB—1,50,000—2 5-21

ANTI-HOOKWORM CAMPAIGN.

A RECORD OF SATISFACTORY PROGRESS.

BENGAL GOVERNMENT'S RESOLUTION.

CALCUTTA, 1ST JUNE.

The Bengal Government have issued the following resolution reviewing the work of the anti-hookworm campaign in Bengal:

Enquiry having shown the prevalence of hookworm infestation among the people of Bengal, His Excellency Lord Ronaldshay, towards the end of 1918 called together a conference of the Sanitary Board, members of District Boards, and representatives of jute and coal industries, and other interests, and invited their advice as to the measures to be taken to fight against the disease. It was then resolved that a campaign on comprehensive lines should be undertaken in the mills, and other industrial concerns near Calcutta, in the tea gardens and collieries, on railways, and in selected rural areas. In accordance with the recommendations of the Conference, Government appointed three special officers with a subordinate staff to supervise and direct operations. A year has now passed since their appointment and the Governor in Council desires to review the results of the work which has been done in the mill area. Work was at first impeded by ignorant suspicion on the part of the operatives who imagined that the arrangements were part of an insidious scheme connected with the Rowlatt Act and that persons suffering from disease would be discharged; but this spirit of distrust was gradually overcome. The Governor in Council desires to take this opportunity of acknowledging cordially the assistance given by the staff of the Titagarh, Empire and Kelvin mills to whose co-operation is due much of the success which attended the initiation of the campaign in the mill area.

"A striking instance of the appreciation of beneficial results of the treatment is that of a man whose one boy, six years old, was suffering from the debility. The boy's health improved so much after one treatment with thymol that his father refused to bring him again because his appetite had grown so keen that he could hardly manage to satisfy it. A high ratio of infestation has been detected, the percentage in one month being 75 in one mill, and 92 in another. In a third mill it was found that even among skilled artisans who mostly wore boots as many as 35 per cent were infected. During the first four months of the present year 3,112 persons were examined of whom 8·5 per cent were found to be infected. Laboratories for examination of patients have been started at the Titagarh, Kelvin, Empire, Kinnison, Barnagore and Khirdah mills and at the Howrah General Hospital, the last being selected because it is in the vicinity of a number of mills and factories. Arrangements have also been made by the Anglo-Indian Jute Mill for work on lines laid down by the Special Officer, Dr. McVail, while a laboratory with a dispensary attached on the plan approved by Dr. McVail is being constructed by the Russa Engineering Company. Training has been given to Sub-Assistant Surgeons from the Bengal-Nagpur Railway and the Ordnance Factories at Cossipore, Ishapore and Dum Dum. The Chief Medical Officer of the Eastern Bengal Railway is arranging for the training of all Assistant Surgeons and Sub Assistant Surgeons in charge of railway hospitals where the detection and examination of hookworm disease will be made a routine practice.

The Chief Medical Officer of the East Indian Railway has applied for a complete set of apparatus and when this is available training will be given to officers under him. The aim from the first has been to utilise Government staff for initiating the work and training the local staff so that the managing authorities of different concerns may take up anti-hookworm work themselves. It is impossible for the Government staff to open laboratories at all centres where they are needed, and if the movement is to be extended it will be necessary for the concerns which will benefit by the enhanced efficiency and consequent output of their labour force to provide laboratories and staff at their own expense.

In the tea gardens the work of the special officer, Dr. Griffin, was greatly assisted by the Duars Planters Association which made a grant of Rs.1,500 and formed a special committee to deal with matters connected with the campaign. A laboratory was opened at Jalpaiguri and a class started for the training of tea garden doctors. Altogether 112 attended the first course and 74 the second and training has now been given to the doctors on the majority of the gardens in Duars. Lectures and demonstrations in simple hygiene were included in the course and instruction was given in the diagnosis, cure and prevention of common intestinal parasitic affections. Public lectures were also given which were so much appreciated that schoolboys of Jalpaiguri asked for instruction in simple hygienic measures. Their request was gladly acceded to. The treatment for hookworm and other intestinal parasitic diseases is reported to be now general on the European estates, on many of which there had been a certain amount of treatment for some years though not on fully systematic lines. Some of their medical officers now intend to start general laboratories for pathological observation in the district under charge. Interest has also been aroused among the managers of Indian owned gardens on one of which an anti-hookworm centre has been started and they are anxious to have their doctors trained and to get advice on water supply and tation.

"In the Darjeeling district where Clayton Lane's researches had shown prevalence of infection and in view great improvement which the tre secures in the efficiency of the labour a systematic treatment is being carr in some gardens. Anti-hookworm have been by the Government staff i tea estates and endeavours are being to improve the sanitary arrangeme the labour force.

"In the colliery area the operation been under the direction of the Mines of Health. Work has been carried the Damudapur colliery and invest is now in progress in the underground ings of the Jamuria Colliery. Ant worm operations have been conducte the direction of Dr. Gupta in the Burdwan and some selected villages Burdwan district. In order to diffuse ledge of the disease charts have bee plied to schools, pamphlets have be tributed to students and to the publ lectures are delivered, illustrated by lantern slides. Efforts are being m induce the people to give up the h resorting to jungle and waste land f poses of nature and to teach them approved and cheap types of pit privie persons found to be infected with hoo are informed of the fact and those w willing to submit themselves to treatm treated by trained Sub Assistant Su Progress is however disappointing people are generally ignorant of the of the disease and it appears that an sive education campaign is necessary i to convince them that hookworm infe present and is potent but a preventibl of sickness and debility.

"Much has been done in the propaganda for it has been realised fi first that progress must largely dep the spread among the people of a kno as to the prevalence of the hoo disease, its effect upon the heal efficiency of the community and the n taking measures to prevent and rec fection. A variety of literature in booklets, pamphlets, leaflets and dealing with different aspects of the p has been widely circulated.

"Nearly 100 different lantern illustrating the life history of hoo and the various aspects of pre work have been prepared and sets to various centres of work and t authorities and others interested campaign. The extension of the ca has, however, been impeded by difficul obtaining supplies of microscopes and apparatus. No microscopes or cent could be obtained from the United Ki and it has been only the kindness

Rock-feller foundation to New-york Branch in Ceylon that made it poss obtain the materials necessary for th which has already been done.

Chatterjee & Co

14

6586

Office of the Sanitary Commissioner
with the Government of Mysore,
Bangalore dated. 23rd August 192

No. G.C 400-5
Enc.

3085

Ch Secy
1 AUG 1920

25 AUG 1920

From

A. K. PANI, Esq., D.P.H., E
Offg. Sanitary Commissioner with the
Government of Mysore, B a n g a l o r e.

To

C. S. Balasundaram Iyer, Esq.,B.A.,
Chief Secretary to Government of Mysore,
B a n g a l o r e.

Sir,

With reference to your letter No. G.28184 Sany. dated the 25th June 1920, I have the honor to state that information is being gathered from districts as to the places definitely affected with hook-worm disease. As reports are recieved, they will be carefully studied and followed up by Microscopic work for detection of cases. A special subordinate will, under my guidance and supervision, make house-to-house inspections in typically affected places, take notes and tabulate the data collected. In the meantime, the District Health Officers have been instructed to lecture to the people in the affected areas on the causation of the disease and the means of preventing it. Leaflets in kannada are under preparation and lantern slides relating to the subject have been ordered from Calcutta. I may add that as soon as the services of Sub Assistant Surgeon Mr. B.Parthasarthi - Iyengar are restored to this Department (as requested in my letter No. G.C.266-5 dated the 15th March 1920) the special investigation and further propagandistic work will be taken up.

I have the honor to be
Sir,
Your most obedient servant.

Offg. Sanitary Commissioner

15

A217

G. R. S. VI—G/32]

SUBJECT:— 53/14

Diary No. of letter replied to 3085.

Section Sany.

File No.

Serial No.

GENERAL AND REVENUE SECRETARIAT,

( )

, the 191 .

No. G10344

Date of issue 26/11

Signed by N Dey

To

The offg Sany. Comr.

Sir,

With reference to your letter No G.C. 400 of 23.8.20, I am directed to request you further proceed to be so good as to ~~state what steps have~~ has been made in regard to ~~been taken towards~~ the investigation of ~~the Tenement~~ Hook-worm disease and the extent of its prevalence in the State and when the Scheme called for in this office letter No. G 28184 of the San 25th June 1920 may be expected in a final shape.

I have &c

DCS 23/11/20.

For Chief Secy

23.11.20.

Department of Public Health in Mysore.

OFFICE OF THE SANITARY COMMISSIONER
WITH THE GOVT. OF MYSORE.

Bangalore, dated the 7th December 1920.

12391

Sany 574-20-1

No. G.C.400-28
Enc. 2

From

A. K. PANI, ESQ., D.P.H., etc.,
Offg. Sanitary Commissioner with the Government of
H.H. the Maharaja of Mysore, BANGALORE.

To

G. Aravamudu Iyengar, Esq., B.A., B.L.,
Secretary to Government of Mysore,
Revenue Department, B a n g a l o r e.

Appendix C
from the Sanitary Commissioner in Mysore.

(Sir,)

With reference to your letter No. G.10344 San. dated the 26th November 1920 on the subject the prevalence of hook-worm disease, I have the honor to state that preliminary enquiries instituted of District Health Officers pointed to the prevalence of hook-worm infestation in parts of the Kadur District, particularly in certain of the Coffee Estates, in parts of the Shimoga District and in the Krishnarajpet Taluk of the Mysore District. The evidence for this supposition, however, consisted only of general unverified impressions of the District Health Officers concerned, as a result of their having come across isolated cases of hook-worm disease in the course of their inspections.

2. Krishnarajpet being the only "maidan" taluk where the prevalence of the disease was suspected and on account of the compactness of the area that could be brought under investigation, I considered it desirable to institute a systematic enquiry in that taluk. Accordingly, Sub Assistant Surgeon Mr. B.Parthasarthi Iyengar, who has had special training and practical experience of microscopic work, was

From
Offg: Sanitary Commissioner
in Singapore

To
The Secretary to Govt
Revenue Dept

Dated 7-12-20

Despatched

Received 8 DEC 1920

General No. G.C 400-28
No.

Enclosure No. 3

Quarterly reports
on the prevalence of
Hook-worm disease
in estates

Forwarded - Favd
[illegible]

17

was deputed to conduct the enquiry, which lasted for a month commencing from the 19th October 1920. He was - equipped with the requisite laboratory outfit on a small scale and given the assistance of a Reserve Sanitary Inspector. The Amildar and the local Sub Assistant Surgeon co-operated with the staff during the whole period of the enquiry.

3. Altogether twenty two villages were inspected including all places which either from local enquiry or from personal knowledge of the Amildar and the local Sub Assistant Surgeon, could be said to be affected with hook-worm disease.

4. The line of investigation followed, was to make house-to-house visits in each village, note down all anaemic cases, examine the fæces for hook-worm infection and finally prepare a list of persons actually suffering from the disease - eliminating the cases where the anaemic condition was due to causes other than hook-worm infection. Suitable instructions for the guidance of the staff were being issued by me at each stage of the enquiry. The results in some of the villages were also personally verified by me.

5. A statement of results is herewith submitted, which shows that in 22 villages examined, 101 anaemic cases were observed, of which only 26 revealed hook-worm infection. Twenty two cases or 84 per cent of the total were amongst males. The ratio of infestation with reference to the - population of the village, averaged 0.29 per cent.

26

6. The infestation can practically be said to be accidental, the occurrence of the cases being isolated and sporadic. The application of measures towards the eradication of the disease in the taluk is therefore comparatively very easy. An effective programme of work however, should include the provision at the local dispensary of facilities for the treatment of the disease, bearing in mind that it is essential to keep the patients under the careful observation of the Medical Officer during the

the short course of treatment, which usually extends over three days and is repeated again after an interval of a week. The affected persons cannot be drugged with large doses of thymol and sent away to their homes. Further, attention should be given to the innocuous disposal of the evacuations of the patient, which after the administration of thymol teem with the hook-worms dislodged from and passed out of the intestines. At Krishnarajpet, there is a choultry opposite the Dispensary, which is very well suited for housing the patients and keeping them under observation.

7. During the course of the enquiry, a considerable amount of propogandistic work was also done. A variety of lantern slides, relating to the life of the hook-worm and the various aspects of the preventive work, were obtained from Calcutta and lantern lectures delivered in Krishnarajpet ~~and in the affected villages~~ by Mr. Mallappa, Visual Instruction lecturer, whose services, the Inspector General of Education very kindly placed at my disposal for the occasion. The Amildar and the local Sanitary Inspector are also familiar with the subject, so that it will not be difficult for them to take advantage of their usual inspections of villages to induce persons suffering from hook-worm disease to resort to treatment at taluk head quarters.

8. Turning now to the Malnad districts, it is possible that the problem is not quite so simple as in the case of the Krishnarajpet taluk. The periodical influx of labourers from the neighbouring British districts and their efflux after the Coffee season probably serve as potent factors in the dissemination of the disease. I append a scheme outlining a plan of anti hook-worm campaign for the Malnad, for the consideration and orders of Government.

27

9. I also submit a draft leaflet in Kannada for approval and transmission to the Government Press for printing 5000 copies, for distribution in the Krishnarajpet taluk and in the Malnad districts.

Besides dealing with the life-history of the hook-worm, the leaflet contains instructions (similar to those persistently preached in the affected villages of Krishnarajpet), for promptly resorting to treatment, for a thorough conservancy of the village, for the provision of pit-latrines for each house or groups of houses and for the protection of the feet with adequate foot-wear, while out walking.

I have the honor to be,

Sir,

Your most obedient servant,

Offg. Sanitary Commissioner.

Statement showing the results of investigation conducted with the prevalence of Hook-Worm disease in the Krishnarajpet Taluk.

Name of Village	No of Suspicious anaemic Cases observed in the course of house to house inspection	Confirmation by Microscopic Tests		Number of		Percentage Ratio of infestation. (With Reference to Population)
		Positive	Negative	Males affected	Females affected	
1	2	3	4	5	6	7
Krishnarajpet	12	2	10	2	0.	.05
Heggadahalli	19	4	15	3	1	.40
Agale	7	1	6	1	-	.11
Kasahalli	4	.	4	.	.	.00
Nagasinganahalli	1	1	.	1	.	.52
Hagola	8	4	4	3	1	.71
Kodatanahalli	6	3	3	3	.	.59
Thickkanahalli	1	.	1	.	.	.00
Seenahalli	2	1	1	1	.	.22
Nanjakanahally	.	.	.	.	.	.00
Lakshmipura	4	1	3	1	.	.24
Tikkeri	2	1	1	1	.	.06
Hodakanhalli	.	.	.	.	.	.00
Hemmanahalli	16	3	13	2	1	.66
Honnenahalli	9	2	7	1	1	1.05
Kadapura.	1	.	1	.	.	.00
Ogunahalli	1	1	.	1	.	.21
Kodimanahalli	1	.	1	.	.	.00
Hangenahalli	-	-	-	-	-	.00
Kollapura.	.	.	.	.	.	.00.
Thelekhalli	7.	2	5	2	.	1.75
Total	101	26	75	22	4	.29

29

Offg. Sanitary Commissioner

Outline of procedure for instituting enquiry into the extent of causes of Hook-Worm infestation in the Malnad and for the adoption of preventive measures including the systematic treatment of persons affected with the disease.

It shall be the duty of the District Health Officer to make enquiries in every place he visits and keep himself informed of the prevalence of hook-worm disease in his district.

2. It will also be incumbent on every Sanitary Inspector (who will be given such instructions as are necessary to enable him to identify the disease from clenical signs & symptoms) to be on the look out for likely cases and report them to the District Health Officer.

3. If there is reason to believe that any village, or group of villages is affected with hook-worm disease, the District Health Officer shall lose no time to conduct a preliminary investigation as to the extent of its prevalence confirming his diognosis in as many cases as possibl by a microscopic examination of the foeces. A contingent grant of ~~Rs~~ Rs 20/- per mensem will be placed at the disposal of the District Health Officer from out of the Malna Improvement grant for incidental expenses such as wages to scavangers &c.

4. Should the conditions in any area be such as clearly indicate hook-worm infestation on a large scale, the District Health Officer should make a report to the President of the District ~~Committee for Malnad Improvement~~ Board, asking for permission to institute a detailed investigation and specifying the facilities needed for the purpose. As a rule the President will detail the local sanitary staff for conducting the investigation under the personal direction of the District Health Officer. When an enquiry is in progress the District Health Officer will submit daily reports to the President for information. It should

30

should be his endeavour to complete the enquiry expeditiously and set free the staff, with as little delay as possible, to resume their normal work.

5. At the conclusion of the enquiry the District Health Officer will submit a detailed report to the President to be placed with his remarks before the District ~~Committee~~ Board for consideration and necessary action. A copy of the report should at the same time be sent to the Sanitary Commissioner for information.

6. The ~~Malnad Improvement Committee~~ District Board will decide, in consultation with the District Medical Officer, as to the arrangements necessary for the systematic treatment of the patients, that is to say, whether treatment may be given at the nearest dispensary where necessary facilities for accommodating the patients will be provided, or whether a special Sub Assistant Surgeon should be detailed temporarily for treating the patients in their own homes or whether the treatment shall form part of the work of the itinerant or semi-itinerant dispensary, if any, attached to the area.

7. A microscope and other appliances needed for the detection and examination of hook-worm should be supplied to each dispensary or Medical Officer that has to undertake the systematic treatment of cases in areas where hook-worm infestation is found to be largly prevalent.

31

8. The District ~~Committee~~ Board should make arrangements for the enforcement, in the affected area, of the existing Sanitary rules relating to ~~the~~ proper conservancy, for the prevention of defecation in tank beds and for the provision of ~~considerable~~ pit- latrines, private as well as public, in the area.

9. As soon as the District Health Officer becomes aware of the existence of hook-worm disease in any village he should,

(a) Cause leaflets, dealing with the causation, pre-

prevention and treatment of the disease, to be widely distributed throughout the village

(b) Hold informal talks with the villagers explaining to them how the disease is spread and what precautions they should take to safe guard themselves against infection.

(c) Advise all the patients to proceed to the nearest dispensary and receive treatment as impatients, and

(d) Draw the attention of the Chief local authority to the need for special endeavour for the enforcement of the village sanitary rules with a view to secure the proper conservancy of the affected and the neighbouring villages.

Offg. Sanitary Commissioner.

32

Memo dated 24th March 1921 from the District Health Officer, Shimoga to the Deputy Commissioner and Chairman, Malnad Improvement Committee, Shimoga.

"""""""""

HOOK-WORM CAMPAIGN.

As per resolution of the Malnad Improvement Central Committee meeting held on 11th September 1920 and as per consequent orders issued by the Sanitary Commissioner, Malnad, for holding a preliminary survey of Hook-worm disease in the Malnad, a preliminary Survey was conducted by the District Health Officer, Shimoga with the aid of the Local Medical Officers.

The present investigation has shown that the infection was present among some coolies of Tirthahalli coming from below-ghats and some of the residents of Mahishi village of Tirthahalli Taluk.

Mahishi. This village forms a suitable place both for effecting Sanitary Improvements and Hook-worm Campaign. It is situated on the banks of Tunga river. It has 75 houses with a population of 368. During the rains the place becomes very slushy and water stagnates in several places. The place is not only malarial but some of the residents are infected with hook-worm. The soil is universally polluted with human excreta, there being no proper provision for the disposal of the night-soil, which is deposited indescriminately in gardens, fields, waste plot of lands and along the banks of the stream.

Completely drying up of the waste lands in the immediate vicinity of the village is rendered well neigh impossible owing to the heavy rainfall and luxuriant growth of vegetation which is not cleared but encouraged to grow to afford privacy for the women-folk.

Manure pits are opposite and proximal to residential houses rendering both the water supply and the air foul. The banks of the river are used a a common latrine. Thus the village may be taken up for combined anti-malarial and Hook-Worm Campaign.

The following modest proposals are therefore submitted for consideration.

1. Clearance of rank vegetation around the village for the extent of a quarter of a mile.

2. Improvement of drainage to render the place less marshy.

3. Filling up insanitary pits or draining them wherever too big to be filled up.

4. In the absence of daily removal of scavenging system every house should have a pit latrine away from water supplies. These pits should be constantly covered with a thick layer of fresh earth and when ¾ full they must be filled with heavy layer of earth. When one pit is filled up others must be ready for use.

5. These pit-latrines must be to the satisfaction of the District Health Officer or any person deputed by him (Sanitary Inspector). These pit-latrines must be compulsarily enforced under penalty.

6. It shall not be lawful for any person to deposit or throw or cause or allow to depositted or thrown any human excreta along with the banks of the river.

Every person engaging coolies for estate purposes shall have a pit latrine for them to the satisfaction of the District Health Officer or any person deputed by him (Sanitary Inspector) for strict enforcement of village sanitation rules both for internal and external houses.

All persons contervening the above provisions shall be liable to prosecution under village Sanitary Regulation.

It shall be the duty of the Sanitary Inspector to visit this village once in a month and bring to the notice of the District Health Officer, all persons who contervene the above requirements, who shall immediately deal with them. One well has already been given.

7. The District Health Officer should undertake systematical examination and treat them on the lines proposed by Dr. Bentley, Sanitary Commissioner with the Government of Bengal.

8. To assist the District Health Officer his examination work a temporary servant for one year on Rs 12/- may be kindly granted.

9. Requisite medicines may be supplied to him for treatment on indent to the Medical Stores.

10. A lump sum grant of Rs 50/- may be sanctioned for contingencies concerned with examination of feacal matter etc., for buying chatties glass rods, slides, connected with the examination purpose.

11. The District Health Officer may be placed directly in charge of the Sanitary Improvements suggested above and rough sketch of the village and rough estimate connected with the improvements are appended for kind perusal and sanction.

'Copy'

For Deputy Commissioner and

SGR. Chairman.

G.R.S. VI–71]

SUBJECT.....

Diary No. of letter replied to.....

General and Revenue Secretariat

( )

, *the* 191 .

Date of issue..... 6/1/21

Signed by..... Mr BK

May this be

i Printed ?

ii treated as a standing order ?

iii published in the Gazette, English Part ?

v translated ?

v placed at the disposal of the press ?

vi published in the Gazette, Kannada Part ?

Section 57-20

File No.

Serial No. 2

Proceedings of the Government of His Highness the Maharaja of Mysore.

Read—

Letter no 9 & 400-20 & 7.12.20 from the offg Sanitary Comr in respect forwarding ~~of a pamphlet among other things making the a leaflet~~ a leaflet in Kannada on Hookworm disease and requesting that the same may be caused to be printed at the Govt Press & 5000 copies printed supplied to him for distribution in the Krishnarajapet Taluk in the Malavalli Taluk

Order Thereon—No. 9 12709-11 Govt

Mr Supdt, Govt Printing is authorized to have the leaflet referred to, printed & 5,000 copies thereof supplied to the offg Sanitary Comr very early.

DCS. 3/1/21.

For Rev Secy to Govt

To Mr Supdt Govt Printing with the leaflet

offg Sanitary Comr

" Senior Surgeon

Hd 31.12.20 Rec 3.1.21.

G. R. S. VI—G/32]

SUBJECT.....

.....

.....

Diary No. of letter replied to 12391

General and Revenue Secretariat

( )

, *the* 191 .

Date of issue 10/1

Signed by W DCG

Section Sany
File No. 57-20
Serial No. 3

No. G 13152 (2)

To

The Offg Senior Surgeon in Mysore

Sir,

In forwarding herewith an extract from the Sanitary Commr's ~~proceedings of the~~ Lr No G.C. 40-28 of 7.12.1920, I am directed ~~to state~~ regarding the prevalence of Hookworm disease in Krishnarajapet taluk ~~of the~~, I am directed to request you to be so good as to forward at an early date proposals for the treatment of ~~patients~~ cases over. ~~upon this~~ cases of hook-worm disease I have there in the dispy at ~~Kadaba~~ Krishnarajpet.

(in regard to the arrangements, equipment be necessary)

Hesd 22.12.20 Attn 3.1.21 DCG 3/1/21 Lr Rs. Lrs

List of enclosures.

Copied by

Examined by

[G. R. S. VI—G/32]

SUBJECT.....

Diary No. of letter replied to 12591-20

General and Revenue Secretariat

( )

, the 191 .

Date of issue 3-2-22

Signed by Mr. D. C. S.

Section Sanitation

File No. 57-20

Serial No. 10

No. L 4308

To The Sanitary Commissioner with the Govt. of Madras.

With reference to your letter No. PC 4000-28 dt. 7.12.20 submitting ~~an estimate~~ the outline of a plan of anti-hookworm campaign in Madras, I am directed ~~to the address~~ to request you to be so good as to state whether it is necessary to sanction the scheme now, as it is more than a year since it has been sent up to Government and whether you would propose any

over.

Charges

changes in it.

~~No further~~ early reply is requested

Thanks etc

List of enclosures.

Copied by

Examined by

62414

Department of Public Health in Mysore.

OFFICE OF THE SANITARY COMMISSIONER
WITH THE GOVT. OF MYSORE,

Bangalore, dated 6th May 1922.

No. G-C400-50
Enc.

From

A. K. PANI, ESQ., D.P.H., Etc.,
Sanitary Commissioner with the Government of
H. H. the Maharaja of Mysore, BANGALORE.

8 MAY 1922

To

A. V. Ramanathan, Esq., B.A.,
Secretary to the Government of Mysore,
Revenue Department, (in charge) Bangalore.

Sir

With reference to your letter No. L.4308/San. 54-20-16 dated the 3rd February 1922, I have the honor to state that the necessity for the scheme proposed in connection with the anti-hookworm campaign in the Malnad has not ceased to exist. If anything, the need is perhaps greater owing as may reasonably be presumed, to the increase in the number of persons affected during the year that has elapsed. The only changes that are necessary in the scheme are such as arise from the temporary abolition of the Malnad Improvement Committees. They are enumerated below:-

Rule 4: For "President of the District Committee for Malnad Improvement" "President of the District Board" may be substituted.

Rule 5: For "District Committee" substitute "District Board".

Rule 6: For "the Malnad Improvement Committee" in the first line read "The District Board".

Rule 7.: A similar change may be made in this rule.

The rest of the rules may stand.

I have the honor to be,

Sir,

Your most obedient servant.

Sanitary Commissioner, M.G.

G. R. S. VI—G/32]

SUBJECT.....

.....

.....

Diary No. of letter replied to 6860

General and Revenue Secretariat

( )

, the 191 .

Date of issue 31/5

Signed by Mrdcs

Section San

File No. 54-20

Serial No. H 12

No. 7144

To

The Sanitary Commissio

Sir,

With reference to your ... G.S. 600-50 & G.S. 22 in con... nection with the anti hook worm cam... paign in this district, I am directed to request you to be so good as to state what the cost of the microscope & other appliances to be supplied is & how this amount as well as the recurr... cost

over.

offered to us here of the outl
the procedure for instituting
inquiry into the existence of
cases of infestation of locusts in
abad, is to be met in view of
act that there is no special provi
made for this purpose in the Allahab
improvement Committee Conduct

I have

Dec 1957

Dy Secy to Govt

Bl. BNL.
31/12/57

List of enclosures.

Copied by

Examined by

No. G.C400-59 L 2559 20-11-22

Enc:-

22753

OFFICE OF THE SANITARY COMMISSIONER WITH THE GOVERNMENT OF MYSORE

Bangalore, dated 18th ~~October~~ November 1922

From Dr. H. B. Mylvaganam, F.R.C.S., (Engd.),
~~A. K. PANI, Esq., D. P. H., Etc.,~~
Sanitary Commissioner with the Government of Mysore, Bangalore.

SEC. 1922 19 NOV

To T. E Jeyaram Iyer, Esq., B.A.,B.L.,
Secretary to the Government of Mysore,
Revenue Department, B a n g a l o r e.

SIR,

With reference to your No. L.7144/San. 54-20-11 dated the 31st May 1922, I have the honor to state that Microscopes are available for use in the Shimoga and Kadur Districts. One has to be supplied to the Hassan District and the cost is estimated to be about £ 23/-.

2. I am doubtful, however, whether the Chief Sanitary Inspectors who take the place of District Health Officers in Districts can be entrusted with the anti-hookworm campaign as outlined in the Memorandum appended to this Office letter No. G.C. 400-28 dated 7th December 1920.

I have the honor to be,
Sir,
Your most obedient servant.

H. B. Mylvaganam

Sanitary Commissioner, M.G.

WD 0245—GPB—6,00,000—14-7-16—S.

191

From

To

Dated

Despatched

Received

General No.

No.

Enclosure No.

G. R. S. VI—G/32

SUBJECT.....

.....

.....

Diary No. of letter replied to 2559

General and Revenue Secretariat

(289)

, *the* 191 .

Date of issue 18/12/22

Signed by Mores.

Section ~~Land~~ Sanit

File No. 54-20

Serial No 14

No. L 4393

To The Sanitary Commr

in Mysore, Bangalore.

Sir

With reference to the correspondence ending with your letter No Q. C 400-57 dated the 18th Nov 22 reporting that two Coyes are available in the Shimoga and Kadur Dts, and that one has to be supplied to the Hassan over Dt at an estimated cost of £ 23/- and expressing

36

as to
a doubt whether
the Chief Sanitary Inspectors
who replace the Health
officers in the Districts, could
be entrusted with the
work of anti-hookworm
campaign as proposed,
I am directed to enquire
why the work should
not be entrusted to
the local medical
officers.

I have &c

Acg 11/12/11

Secy to Govt

Med Dept

List of enclosures.

C.S. Inl
11/12/11

Copied by

Examined by

The papers on the subject are returned herewith (after perusal) with thanks

C. S. Ramadas

19/2/73

No. Q.C.4600-b;
Dtc.

Mr HS any/54-20-15

OFFICE OF THE SANITARY COMMISSIONER
WITH THE GOVERNMENT OF MYSORE

8292

Bangalore, dated 17th Jany 1923

From Dr. H. B. Mylvaganam, F.R.C.S., (Engd.),
~~A.K.PANI, Esq., D.P.H., Etc.,~~
Sanitary Commissioner with the
Government of Mysore,
Bangalore.

18

L 3996

20 JAN 1923

To

T. E. Jeyaram Iyer, Esq., B.A., B.L.,
Secretary to the Government of Mysore,
Revenue Department, B a n g a l o r e.

20 JAN 1923

SIR,

With reference to your No. L.4393/San. 54-20-14 dated the 14th December 1922, I have the honor to state that as anti-hook worm investigations require long periods to be exclusively devoted to them, the local Medical Officers cannot be expected to spare the necessary time without detriment to their legitimate duty.

The file on the subject has been submitted to the Diwan in connection with his present tour. It is returned will be awaited till about the 15th proximo, if any

I have the honor to be,
Sir,
Your most obedient servant.
H.B. Mylvaganam
Sanitary Commissioner, M.G.

20/1/23
1.2.23

35/0/38

Subd. If appd, this may now be sent to the Private Secretary to the Dewan for putting up the main file

JBM
21/1/25

The file may kindly be returned.

CSR
17.2.25.

Private Secretary to Dewan
with compliments.